

X-RAY FOOD INSPECTION CONTROL CONSOLE COOLING SYSTEM

Abstract of the Disclosure

A closed forced air system cools the electronic circuitry in a control console of an x-ray inspection station directed to food products in containers. A U-shaped tubular duct located beneath the console enclosure has both upwardly-directed ends attached to the bottom panel of the enclosure with openings provided for airflow communication, thus creating a closed loop air passageway. A pair of electric fans are installed at the upper ends of the U-shaped duct in manner to circulate air flow through the loop. Air in the enclosure, warmed by the electronic control circuitry, is drawn by one fan down into one arm of the U. The duct acts as a heat dissipater, and cool air at the opposite arm of the U is drawn by the other fan back up into the enclosure. The bottom of the U-shaped duct is attached to a front region of a support platform at the floor level and thus the arms of the U serve as a front pair of supports. A straight tubular support strut, extending from the enclosure down to a rear portion of the platform as a rear support, may serve as a wiring conduit.